Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	11/13/2017 11:07 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/18/2017 09:13 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	122993	-2	2.95	122901	2.95
Blue	F	SSC	125000	121180	-4	4.33	121655	4.26
Blue	E	FITC	23615	22517	-5	3.83	1003	11.10
Blue	D	PE	26739	25996	-3	3.49	933	11.08
Blue	B	PerCP-Cy5-5	48339	47037	-3	4.61	1355	18.50
Blue	A	PE-Cy7	45021	44253	-2	6.10	689	38.36
Red	C	APC	53064	51772	-3	2.94	2980	9.82
Red	A	APC-Cy7	57175	56605	-1	2.88	1181	11.80
Violet	B	V450	14728	14115	-5	5.59	675	9.90
Violet	A	V500	58621	56538	-4	5.45	2504	7.67

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	18752	4.01	613	-1	N/A	N/A	Pass
Blue	F	SSC	59312	3.19	549	3	N/A	N/A	Pass
Blue	E	FITC	112	40.60	550	2	0.0189	156	Pass
Blue	D	PE	202	31.42	541	5	0.1295	213	Pass
Blue	B	PerCP-Cy5-5	210	48.16	642	7	0.0085	66	Pass
Blue	A	PE-Cy7	71	134.27	701	8	0.0101	18	Pass
Red	C	APC	344	29.85	601	4	0.0190	131	Pass
Red	A	APC-Cy7	128	43.53	585	5	0.0049	1738	Pass
Violet	B	V450	82	43.80	464	-6	0.0471	2199	Pass
Violet	A	V500	181	23.81	491	-6	0.0133	380	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.35	-30.64	0.94
Blue	20.35	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.34
Red	15.78	13.27 - 19.91	N/A	N/A	30.55	31.22	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 10197

Fluidics

FACSFlow Pressure: 4.00 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments